

FIRE STATION 35

BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
JUNE 11, 2018



WATERFRONT SITE PLAN

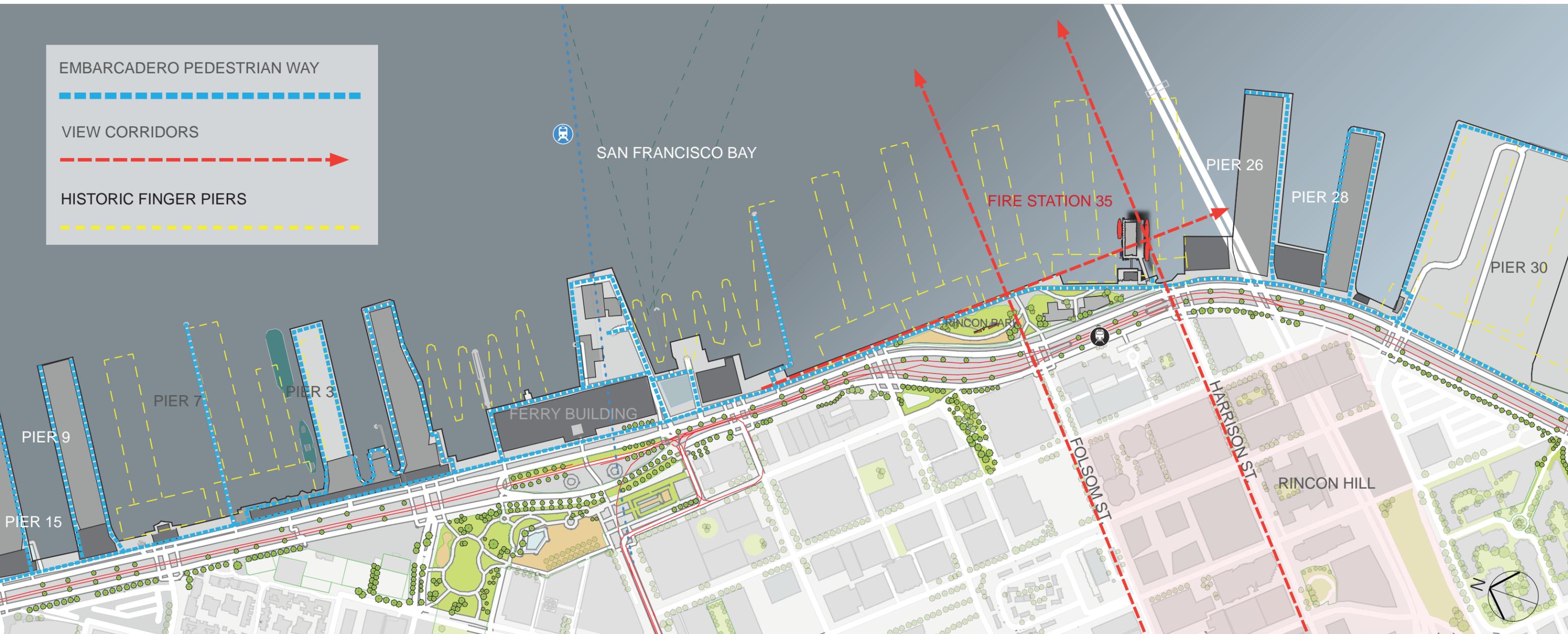


EXHIBIT 8

SFFD - CURRENT & FUTURE STAFFING



Photo: Gabriella Lurie, The Chronicle



Photo: Liz Hafalia, The Chronicle

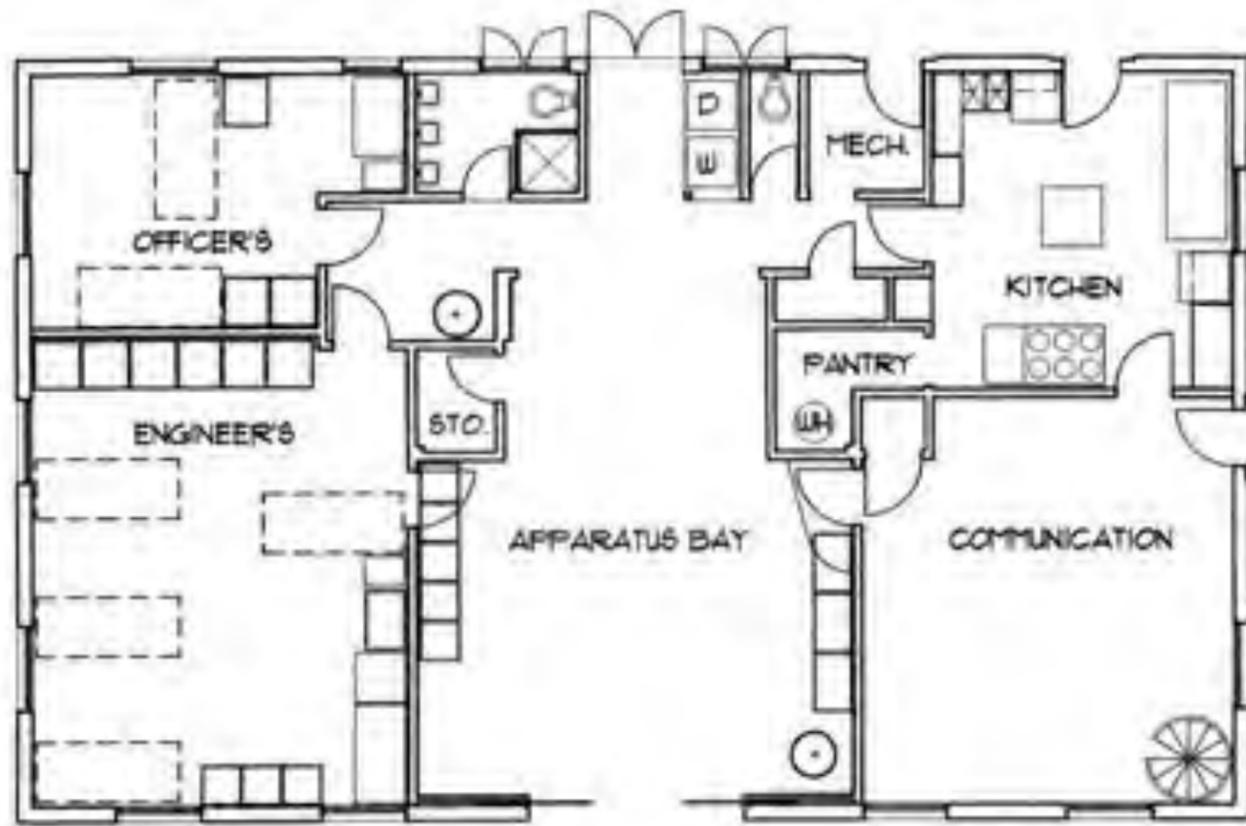
- **Fireboat Station No. 35 Current Staffing**

- 21 total members are assigned to Fire Station No. 35; 7 members on shift at any given time -- 3 shifts
- Engine Company No. 35: (1) officer, (2) firefighters, and (1) medic
- Fireboat: (1) officer, (1) pilot, and (1) marine engineer

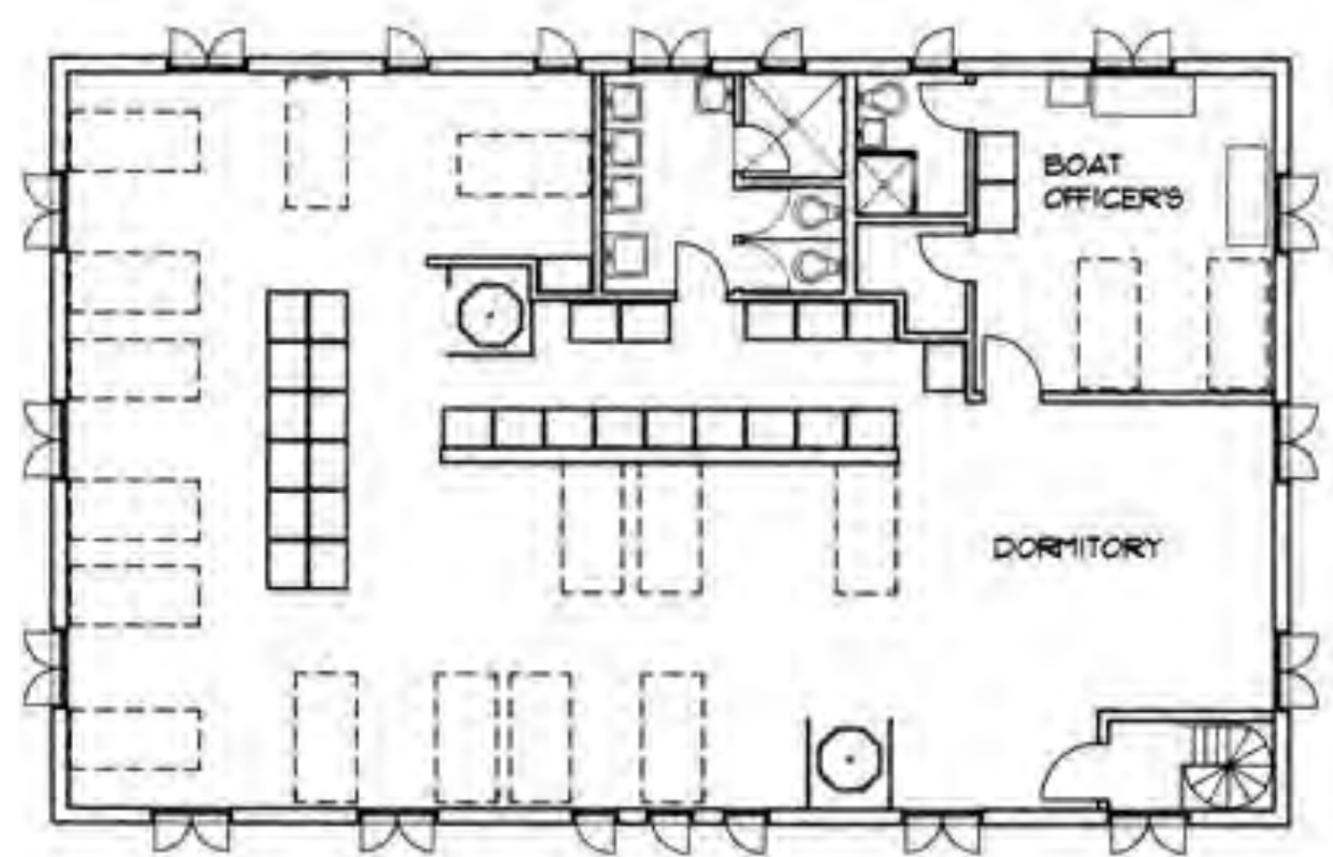
- **Future Staffing**

- Dedicated Marine Unit of 3 additional members trained in responding to marine emergencies
- Officers: 3 shifts x 4 (2 officers + 1 pilot + 1 engineer) = 12 beds
- 3 shifts x 3 firefighters + 3 unassigned/vac.relief + 1 swing = 13 beds
- 3 shifts x 3 dedicated marine unit firefighters + 1 swing = 10 beds
- Members = 35 total beds - 12 officers = 23 beds in dormitory

HISTORIC FIRE STATION - EXISTING FLOOR PLANS



EXISTING 1ST FLOOR PLAN



EXISTING 2ND FLOOR PLAN

BAY SHADOW AND FILL

BAY FILL VOLUME

AREA REMOVED



GROSS VOL. REMOVED:
1382 CF

AREA ADDED



GROSS VOL. ADDED:
82000 CF

NET VOL. ADDED:
80618 CF

	SHADOW AREA		
	GROSS ADDED	GROSS REMOVED	NET ADDED
	SF	SF	SF
ESTIMATED	20,694	7,800	12,894
FOR PERMIT, WITH CONTINGENCY	22,000	7,800	14,200

	BAY FILL VOLUME		
	GROSS ADDED	GROSS REMOVED	NET ADDED
	CF	CF	CF
ESTIMATED	79,110	1,382	77,728
FOR PERMIT, WITH CONTINGENCY	82,000	1,382	80,618

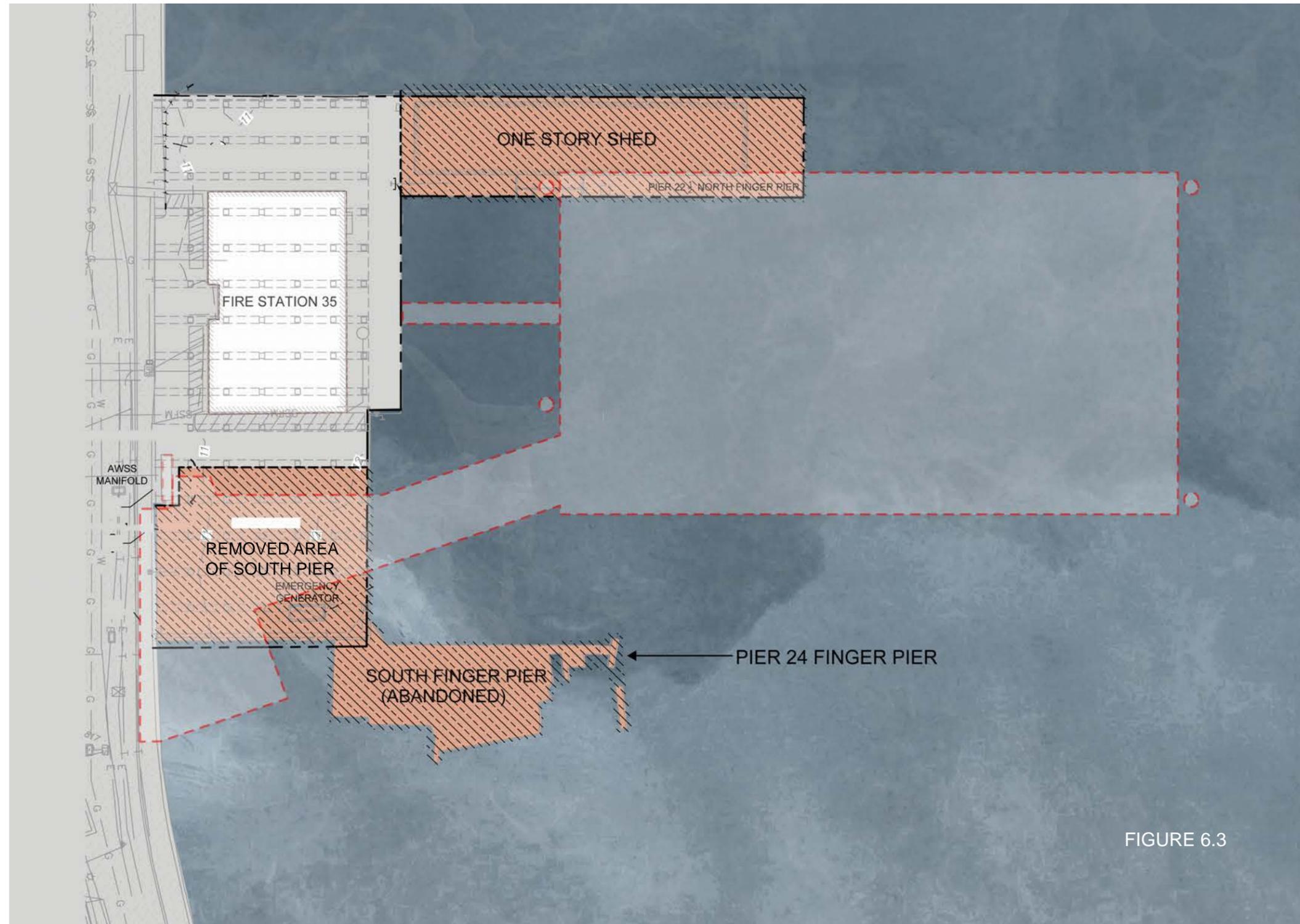
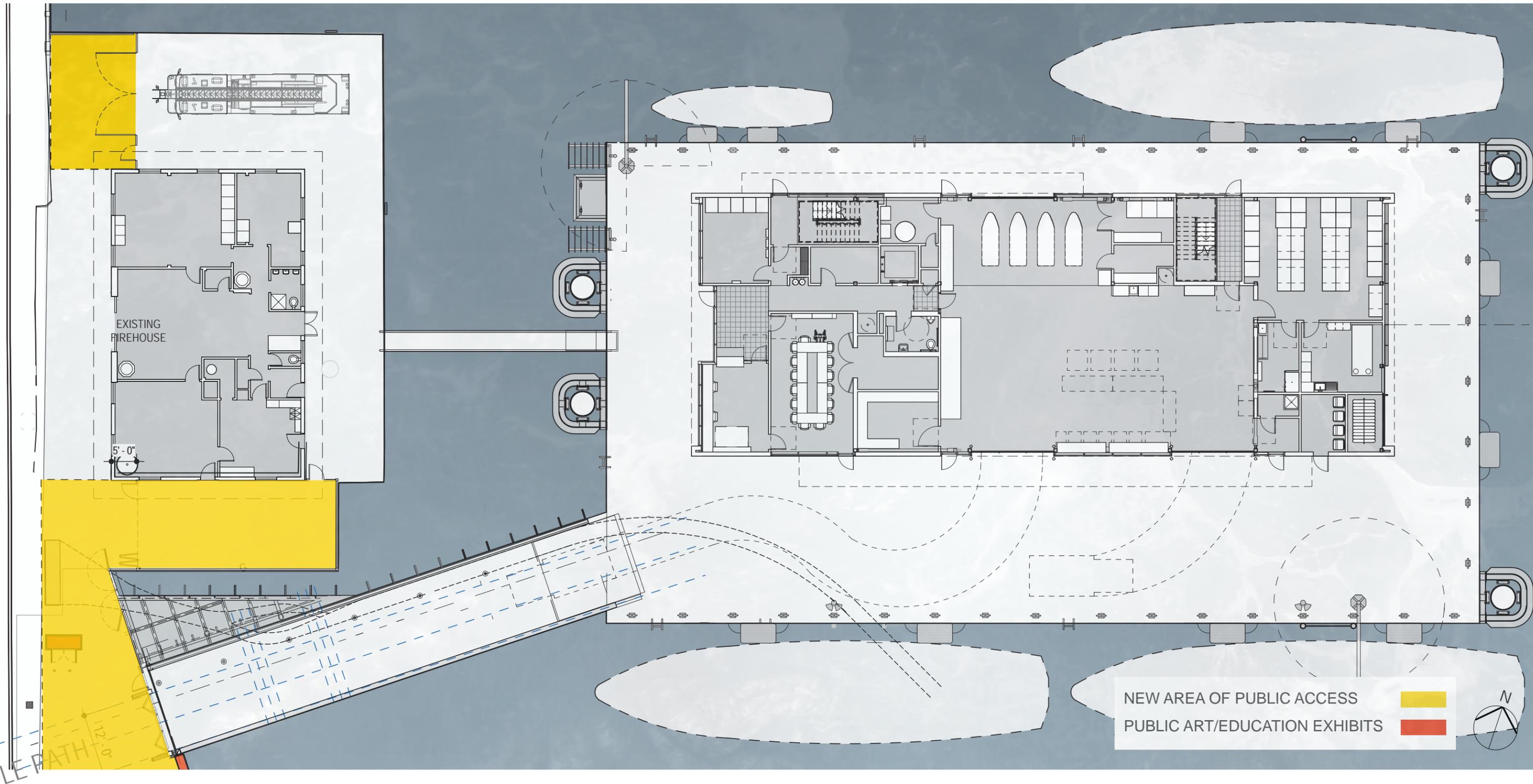
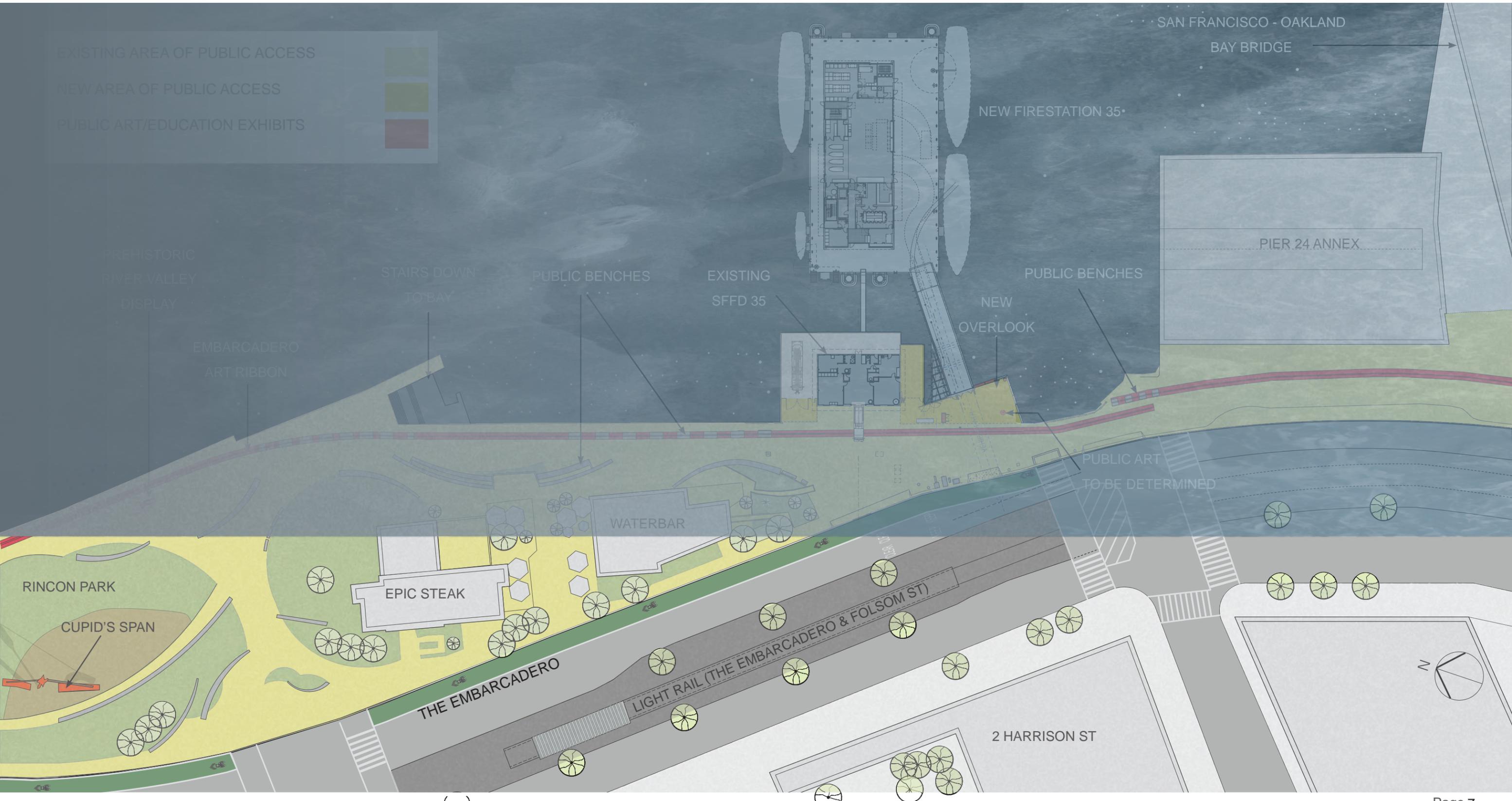


FIGURE 6.3

HISTORIC AND NEW FIRE STATION



CONTEXT SITE PLAN



EMBARCADERO PERSPECTIVE

(PRESENTATION #1 DATED 2/26/2018)



AS PROPOSED



EMBARCADERO PERSPECTIVE



BUILDING MATERIALS/OPERATIONS



① INSULATED METAL PANEL
CORRUGATED DS60
SILVER/MARINE FINISH

② BAGUETTE SCREEN
DARK GREY

③ ALUMINUM AIRFOIL
LOUVERS
DARK GREY

WATER PERSPECTIVE

(PRESENTATION #1 DATED 2/26/2018)

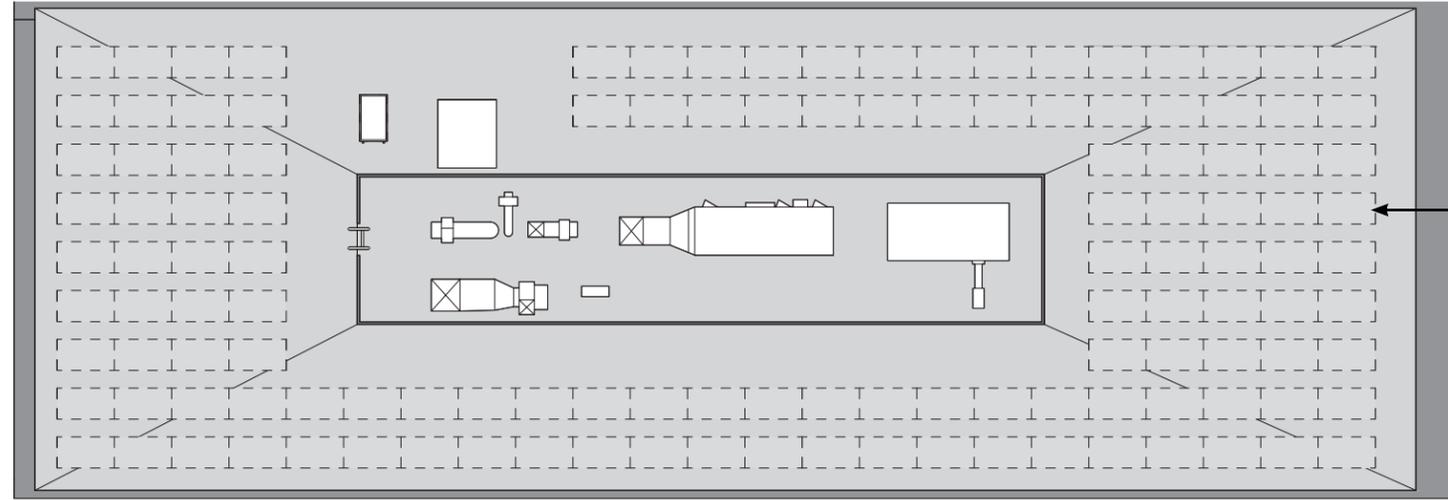


AS PROPOSED



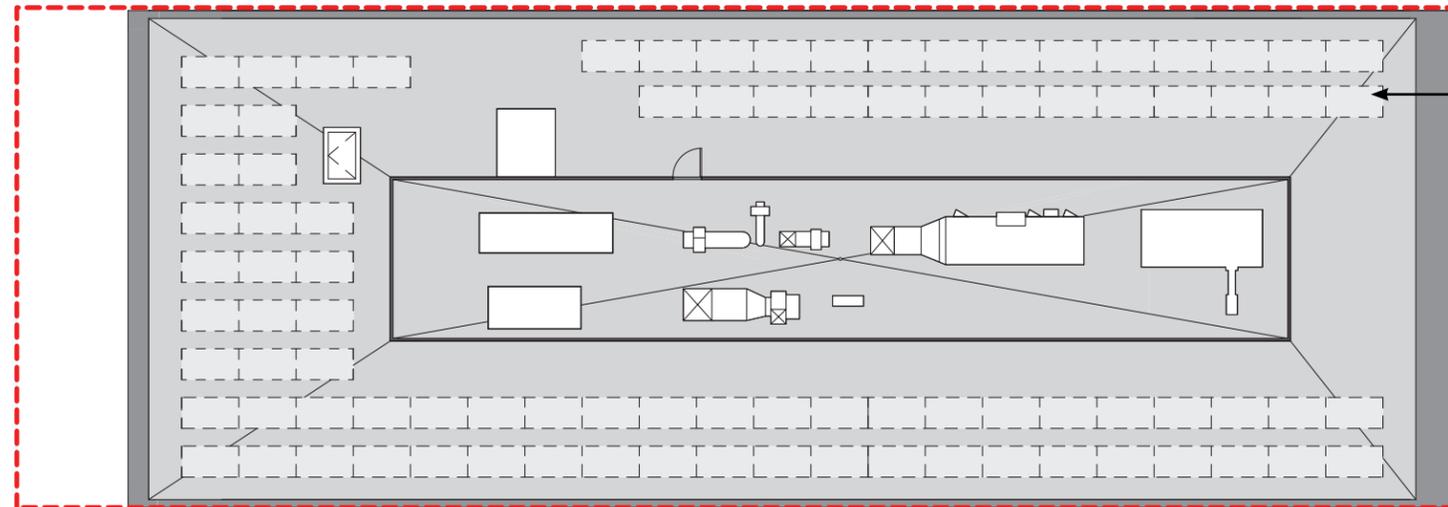
FLOOR PLANS

LEVEL ROOF PLAN
PRESENTATION #1 DATED
2/26/2018



FUTURE PHOTOVOLTAIC
PANELS

LEVEL ROOF PLAN
PROPOSED



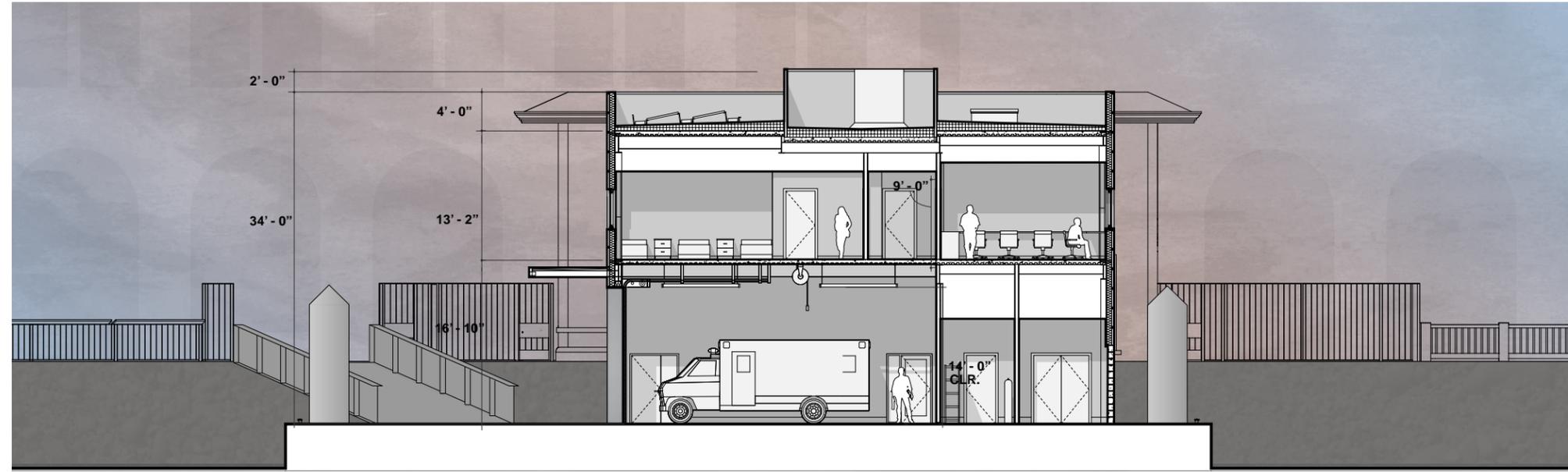
FUTURE PHOTOVOLTAIC
PANELS

FIGURE 5.3

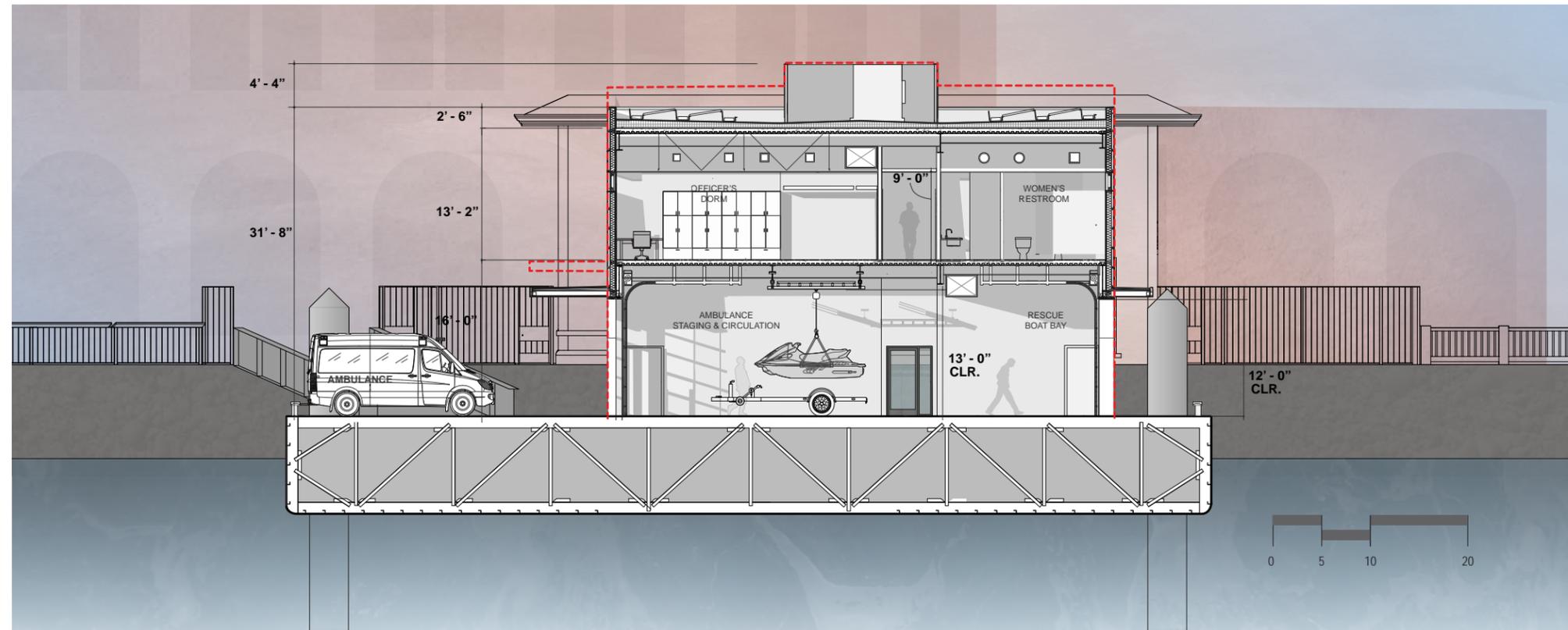


BUILDING CROSS-SECTION

DESIGN DATED
2/26/2017

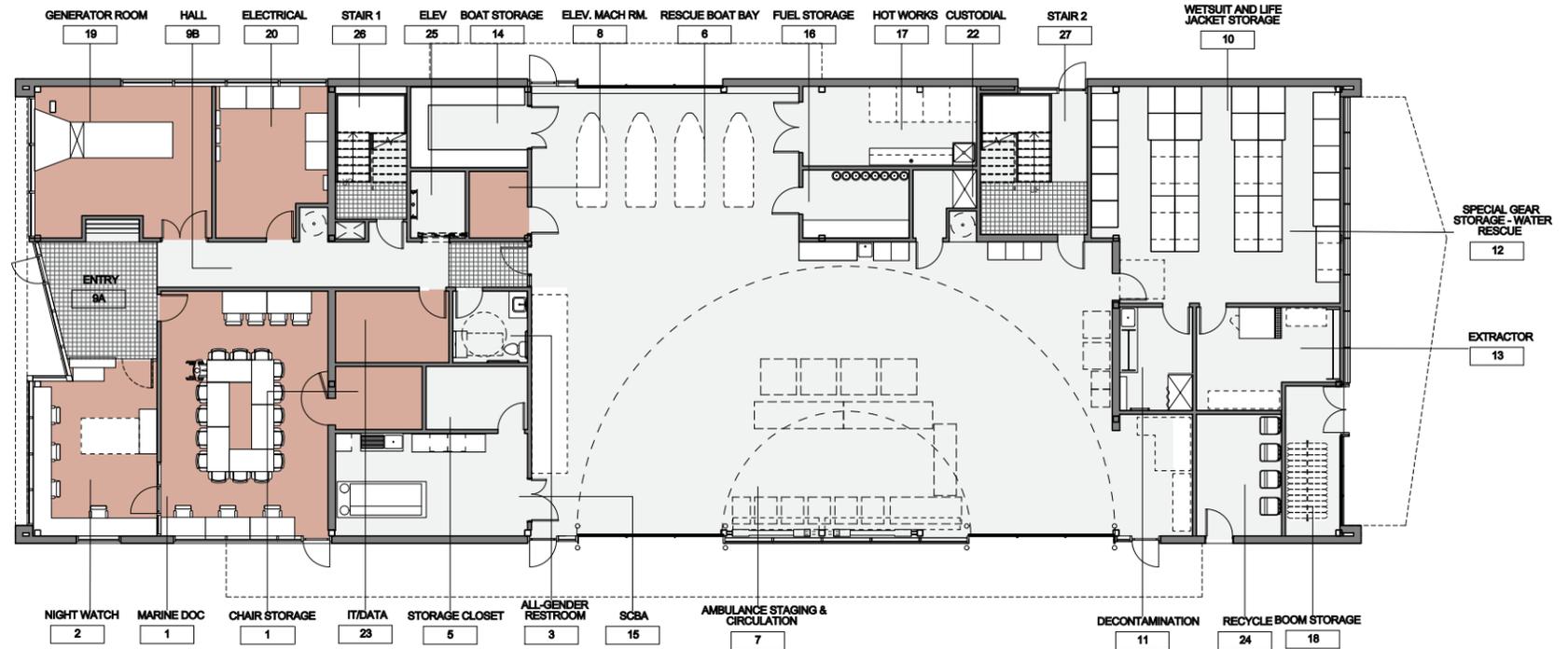


PROPOSED



FLOOR PLANS

LEVEL 1 PLAN
PRESENTATION #1 DATED
2/26/2018
7852 sf (gross)



LEVEL 1 PLAN
PROPOSED
7245 sf (gross)

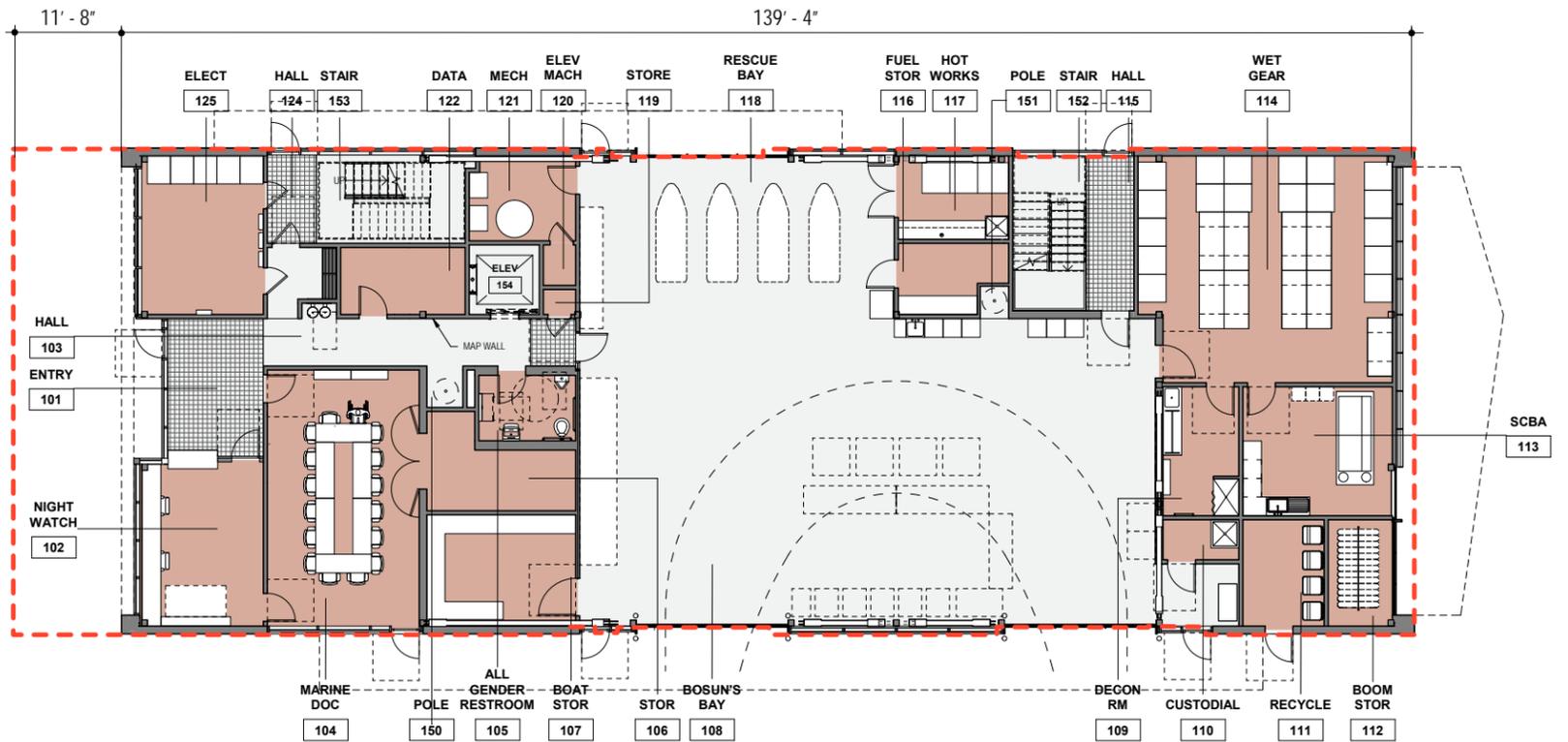
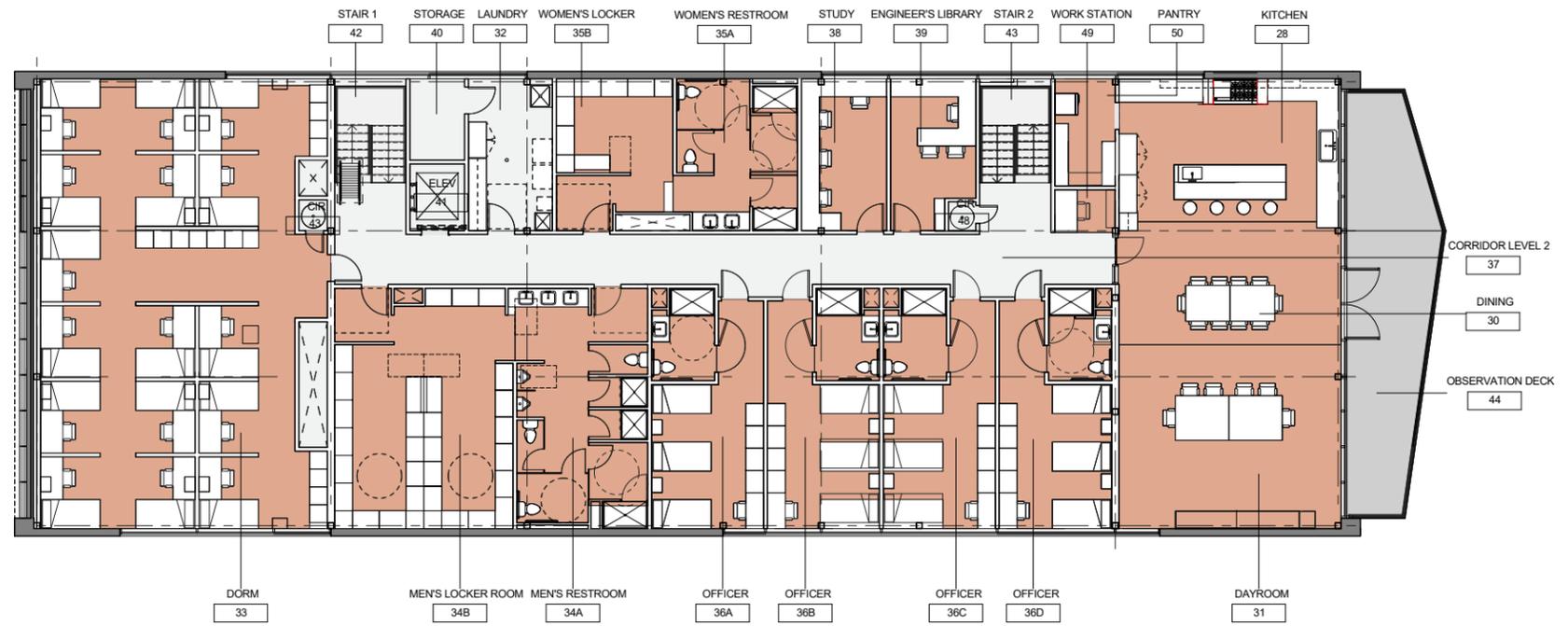


FIGURE 5.1



FLOOR PLANS (PRESENTATION #1 DATED 2/26/2018)

LEVEL 2 PLAN
PRESENTATION #1 DATED
2/26/2018
7852 sf (gross)



LEVEL 2 PLAN
PROPOSED
7245 sf (gross)

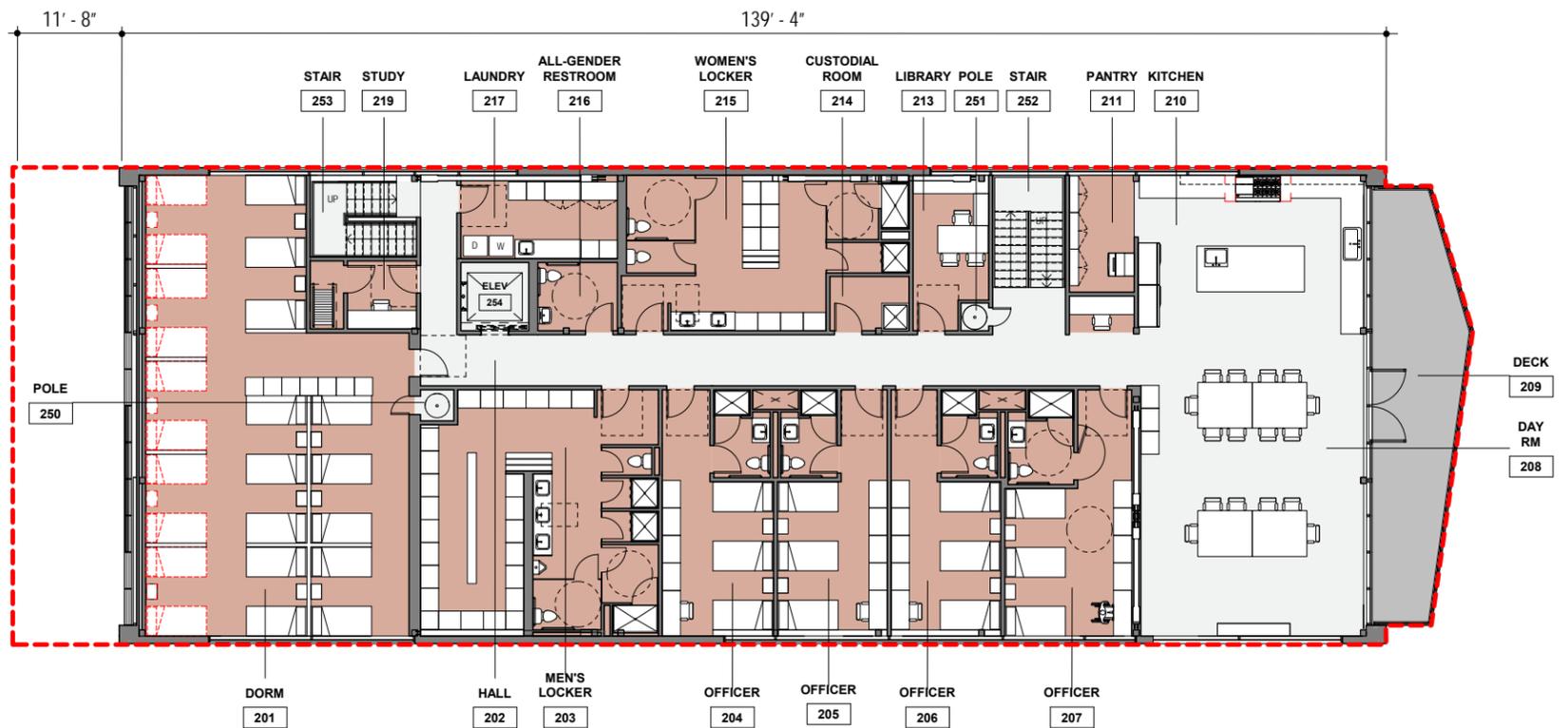
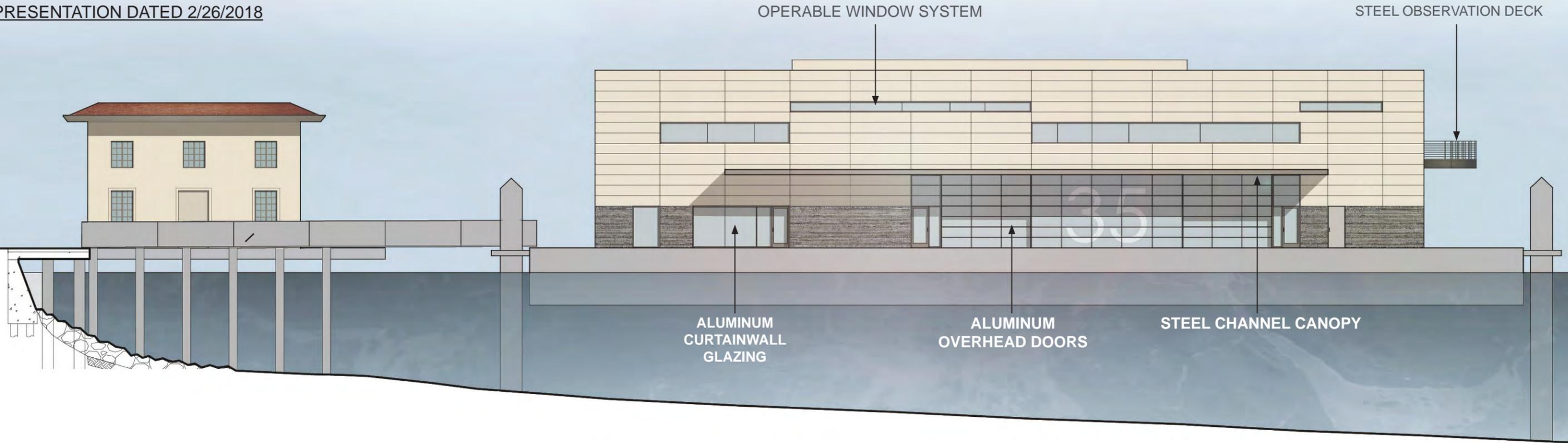


FIGURE 5.2



ELEVATIONS (SOUTH ELEVATION)

PRESENTATION DATED 2/26/2018



AS PROPOSED

EXISTING FIRE STATION WITH FUTURE COLOR
"ANTIQUÉ WHITE" BY PORT OF SF

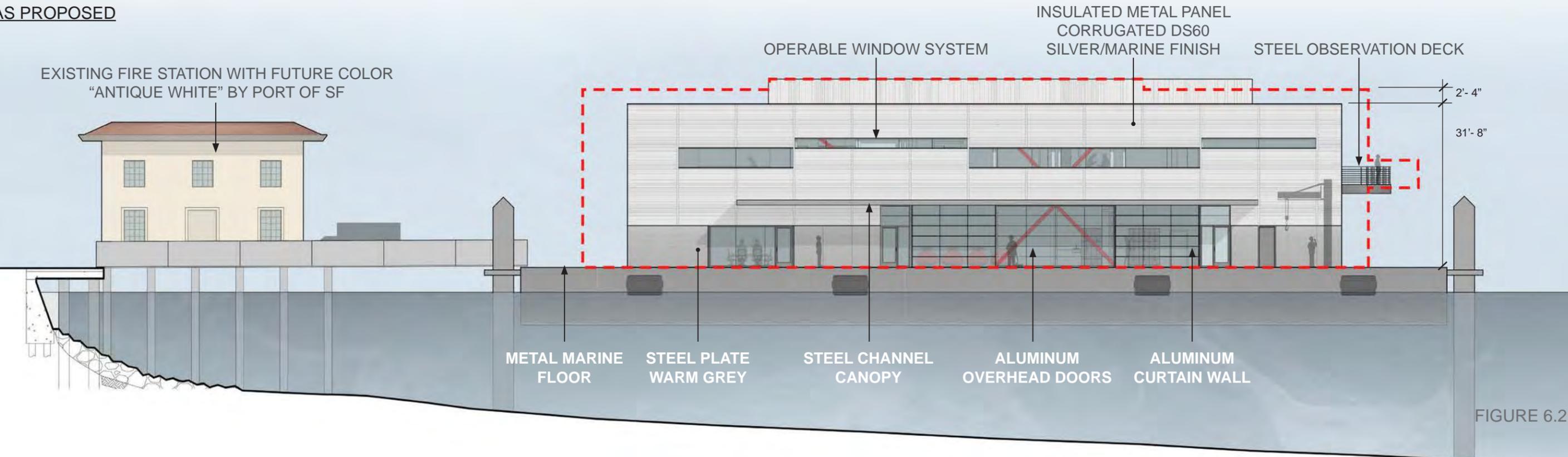
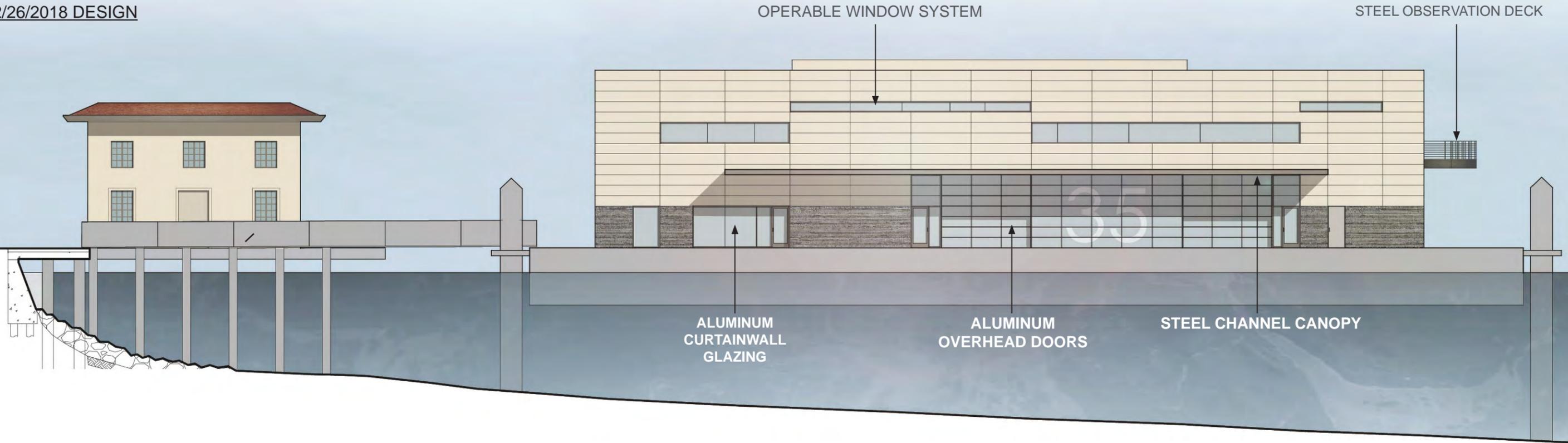


FIGURE 6.2

ELEVATIONS (SOUTH ELEVATION)

2/26/2018 DESIGN



AS PROPOSED

EXISTING FIRE STATION WITH FUTURE COLOR
"ANTIQUE WHITE" BY PORT OF SF

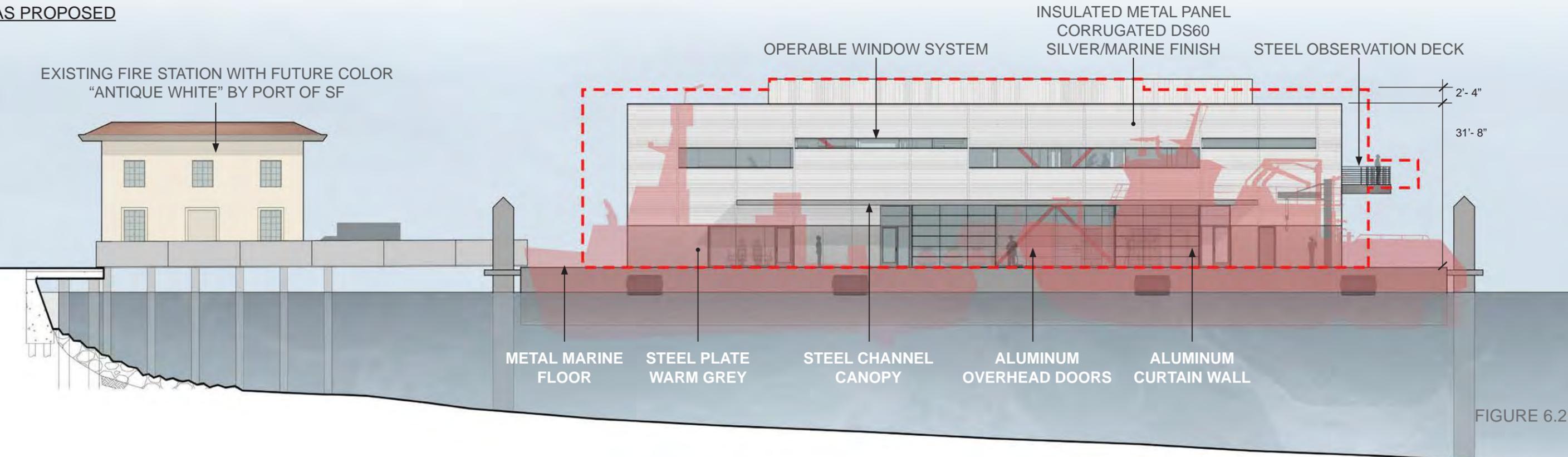
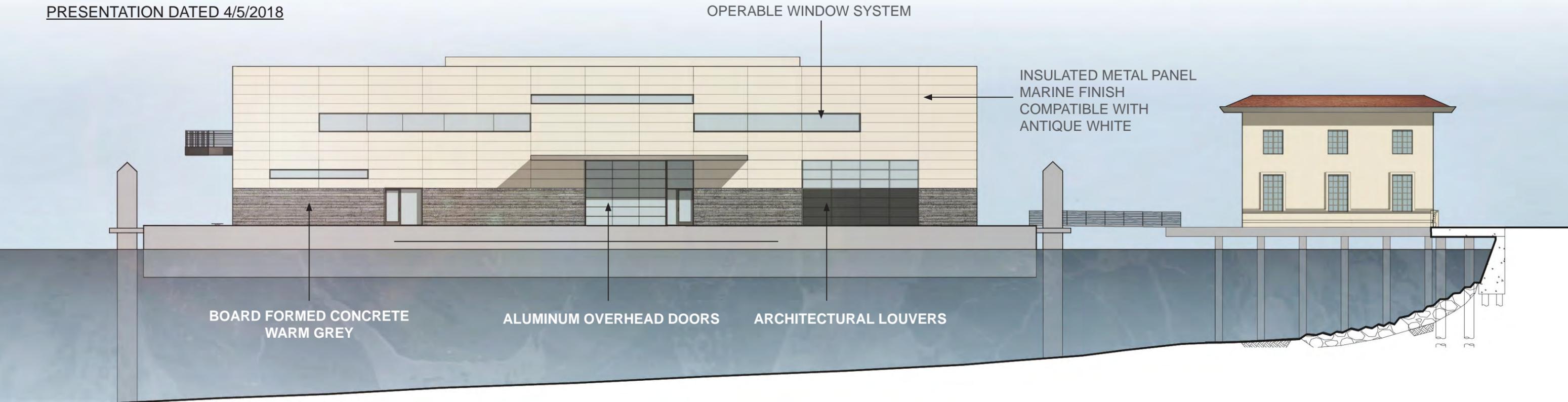


FIGURE 6.2

ELEVATIONS (NORTH ELEVATION)

PRESENTATION DATED 4/5/2018



AS PROPOSED

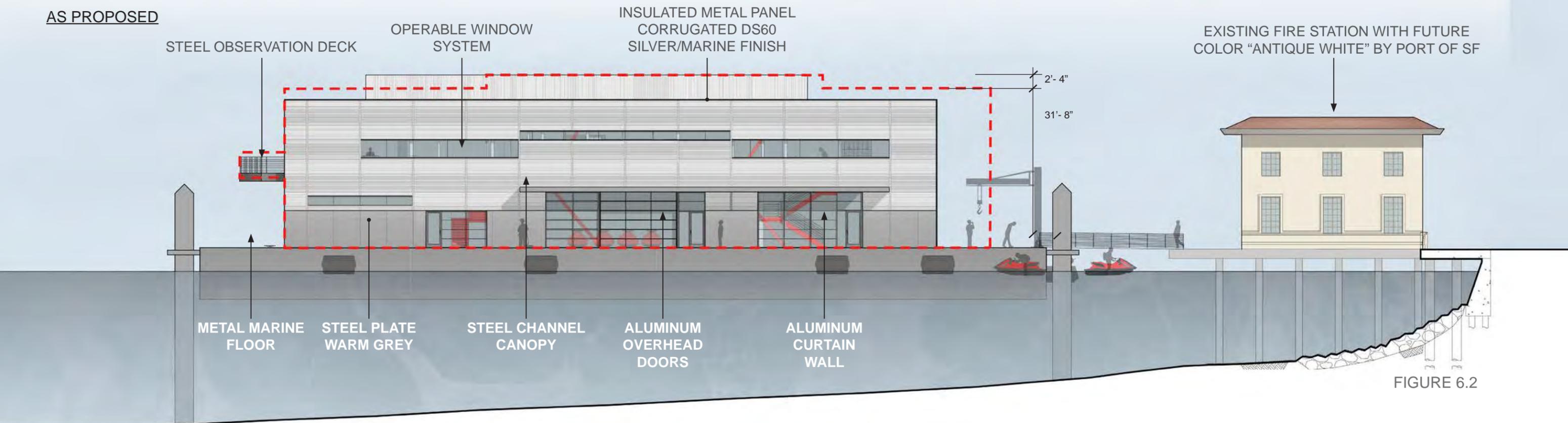
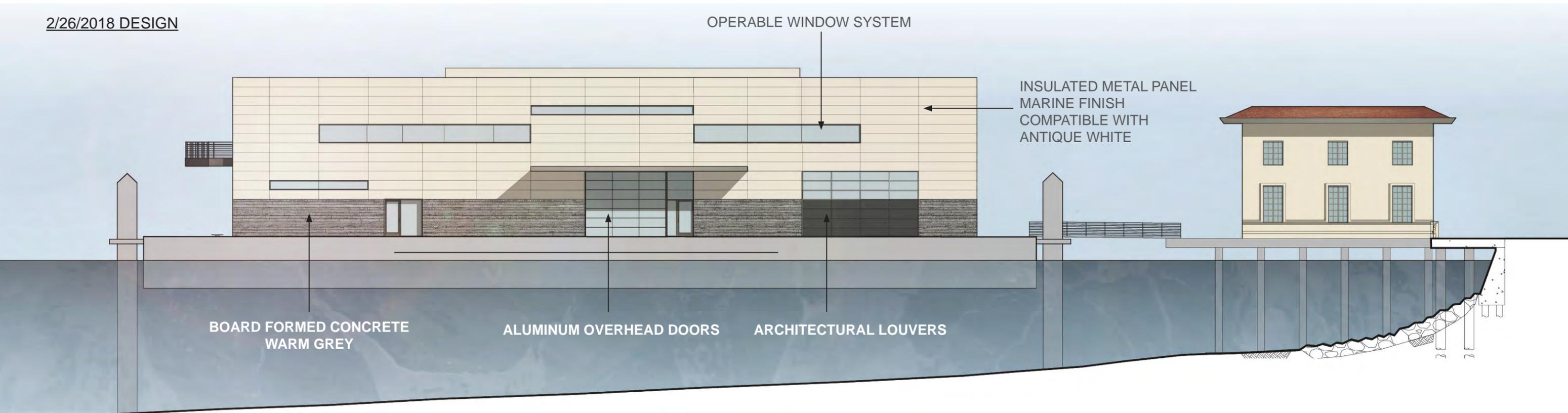


FIGURE 6.2

ELEVATIONS (NORTH ELEVATION)

2/26/2018 DESIGN



AS PROPOSED

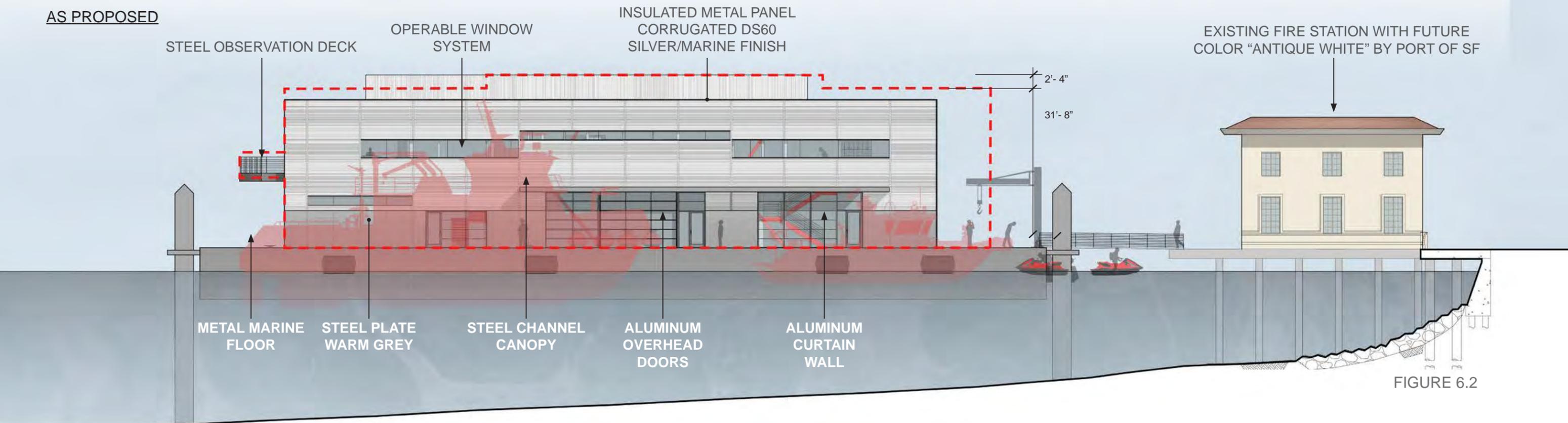
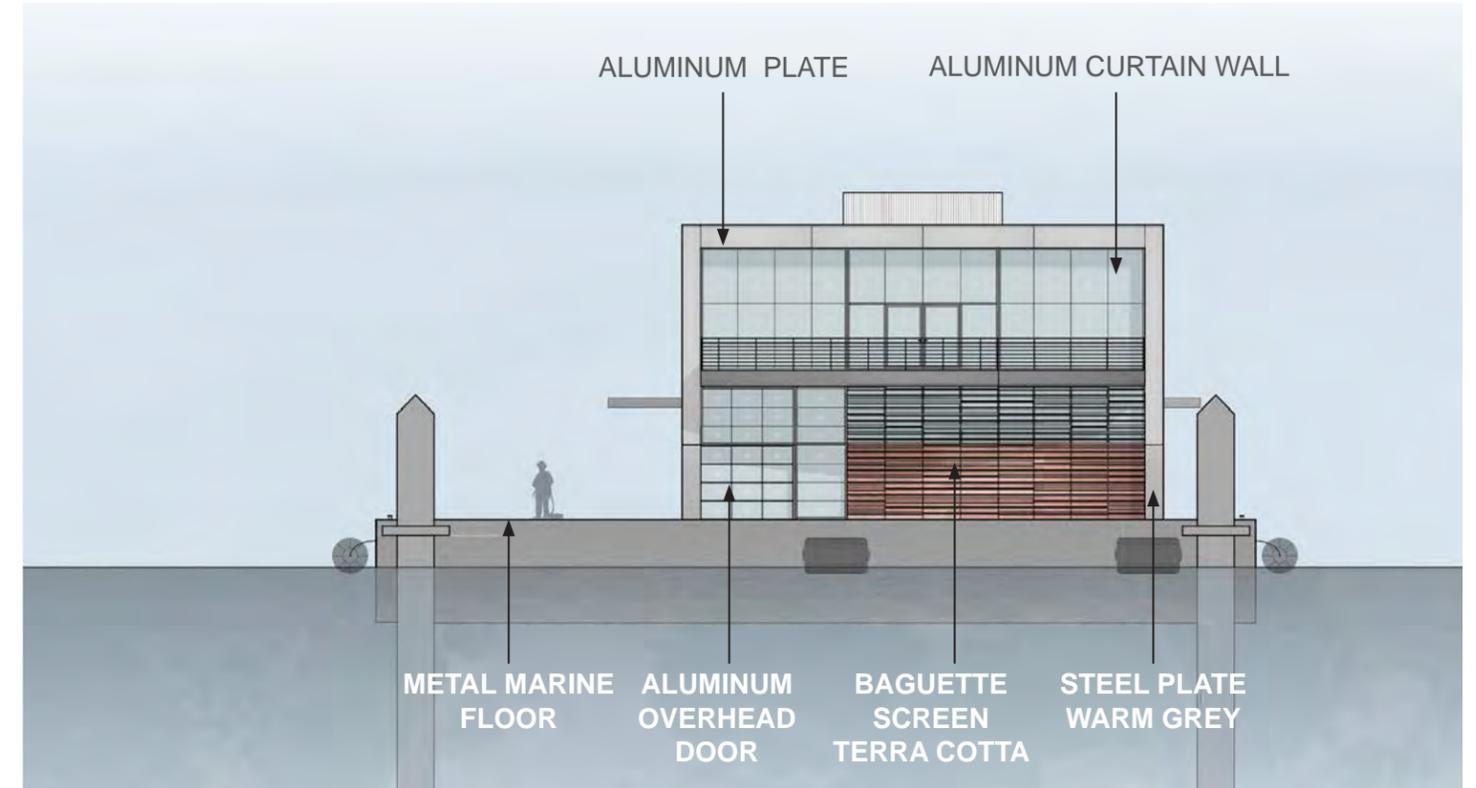
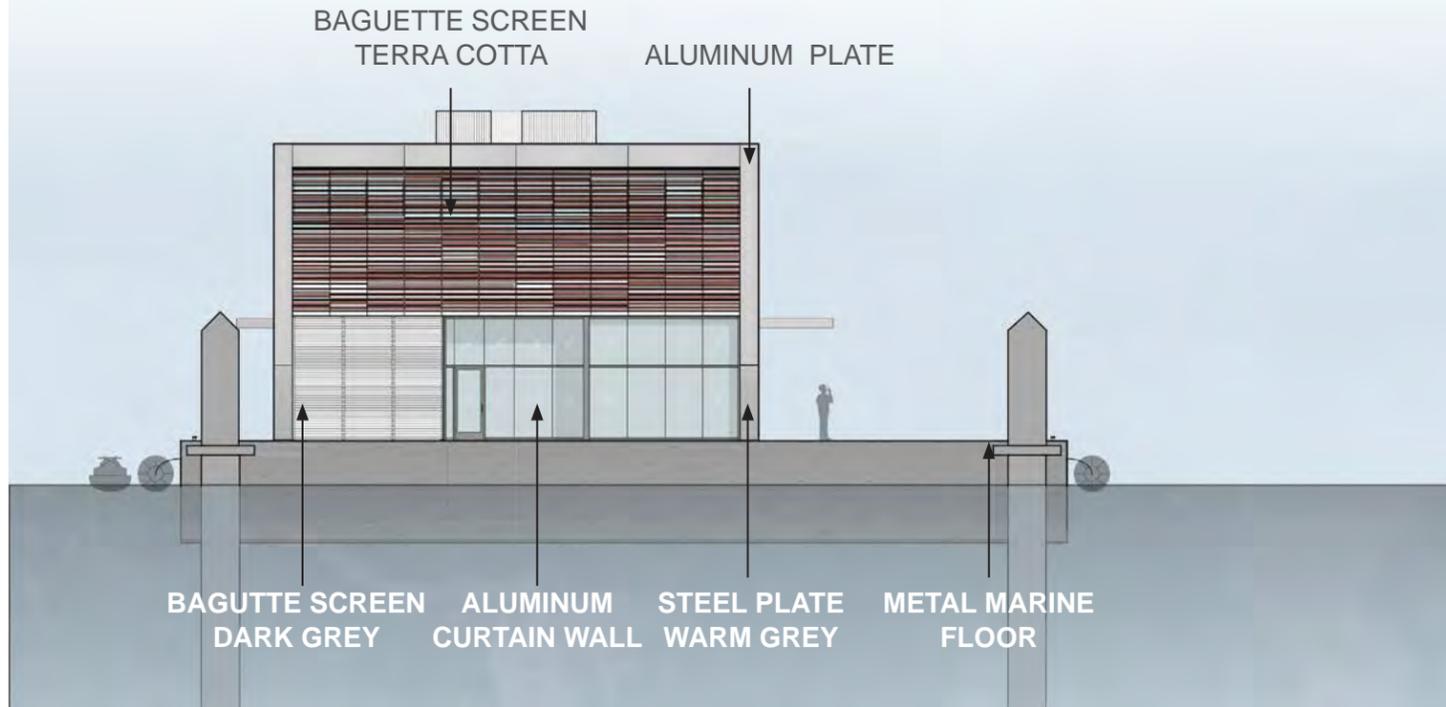


FIGURE 6.2

ELEVATIONS (WEST AND EAST ELEVATIONS)

BEFORE



AS PROPOSED

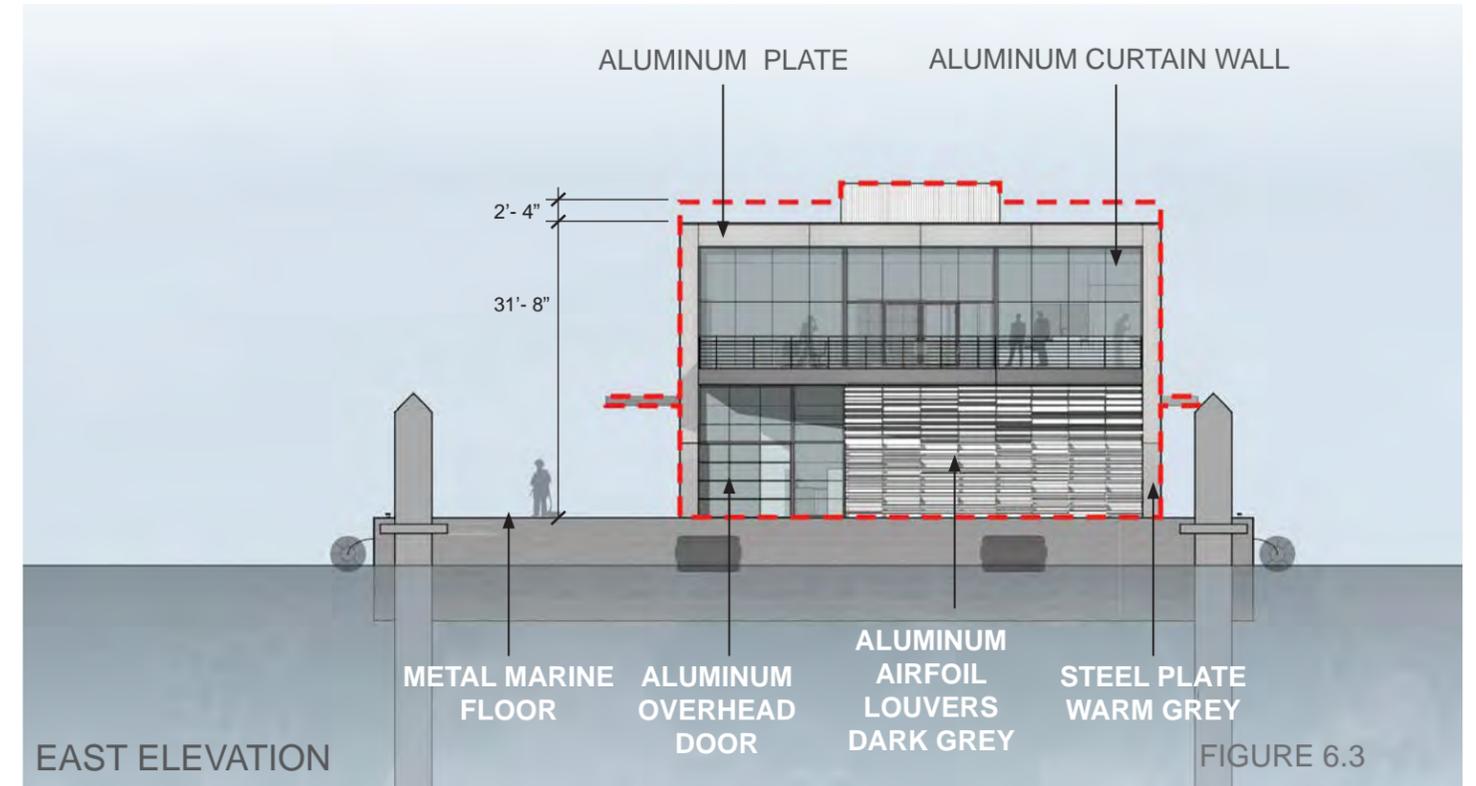
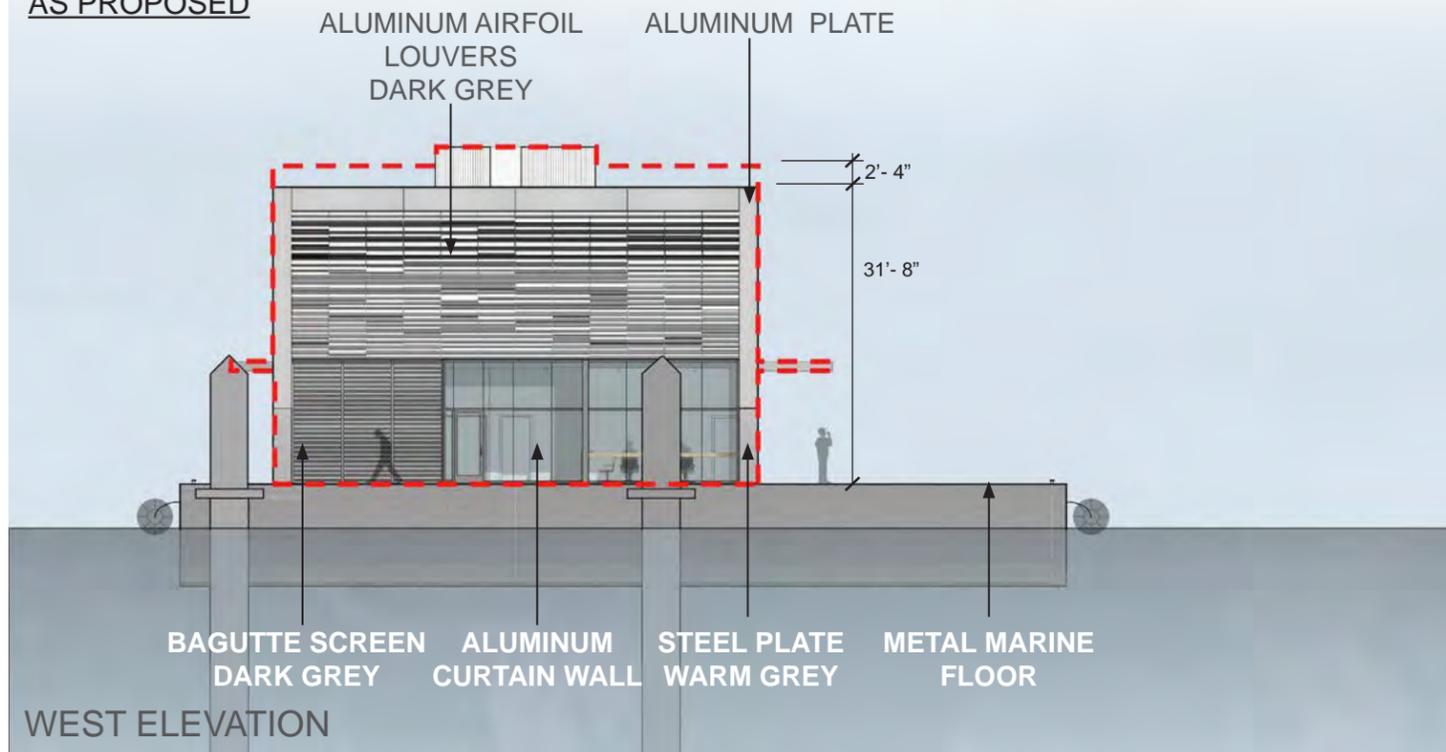


FIGURE 6.3

EMBARCADERO PIER OVERLOOK PERSPECTIVE

PRESENTATION #1 DATED
2/26/2018



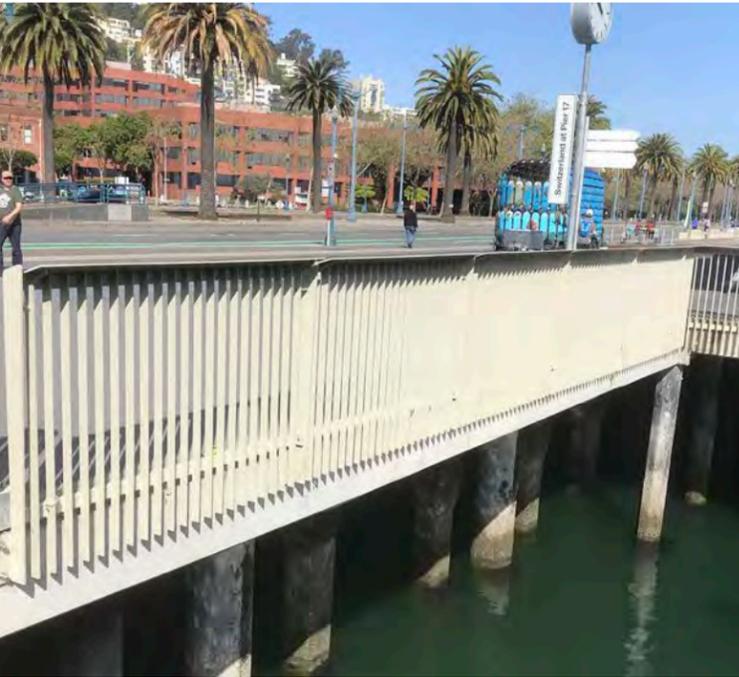
PROPOSED



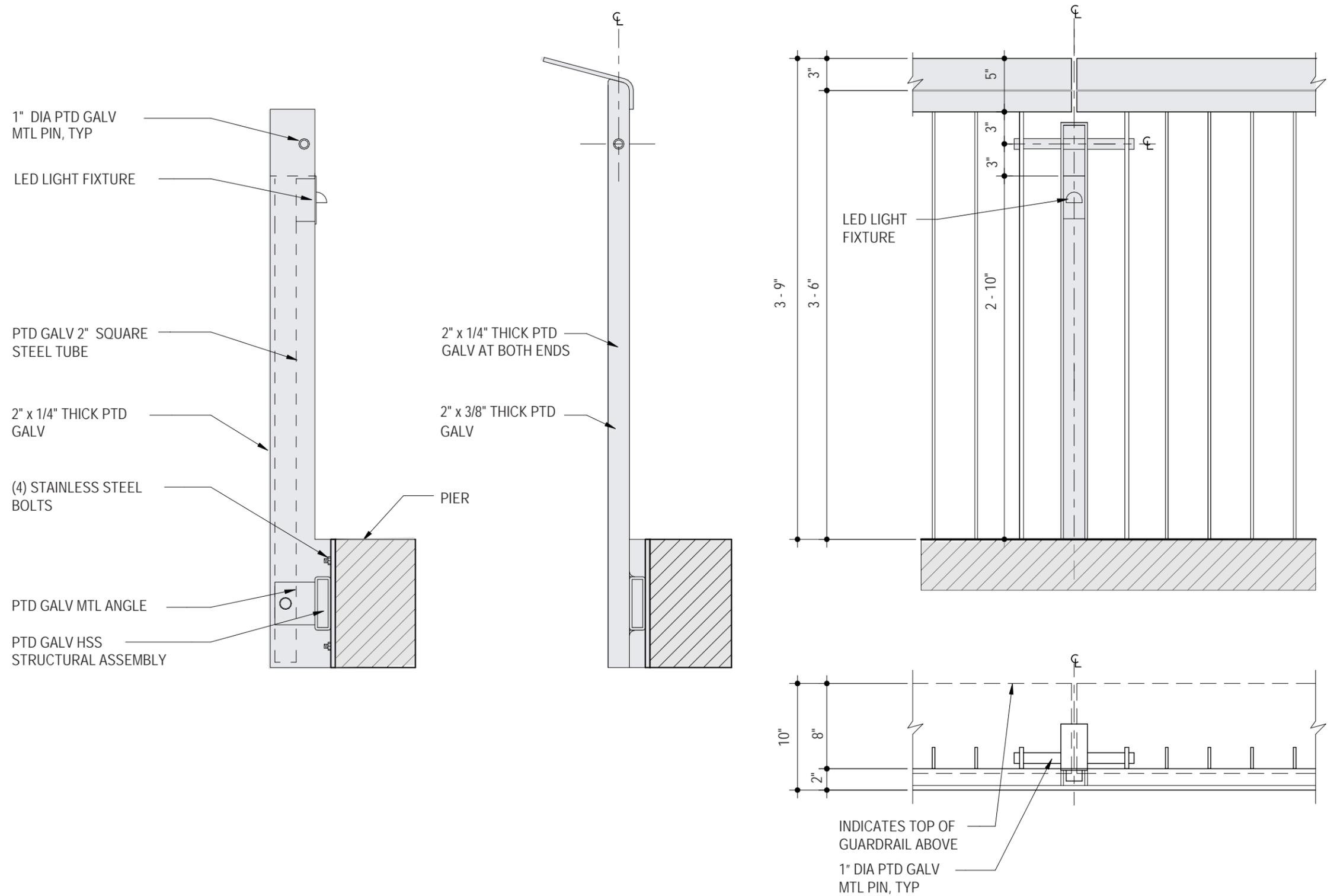
SOUTH PLATFORM PERSPECTIVE



GUARDRAIL DETAIL



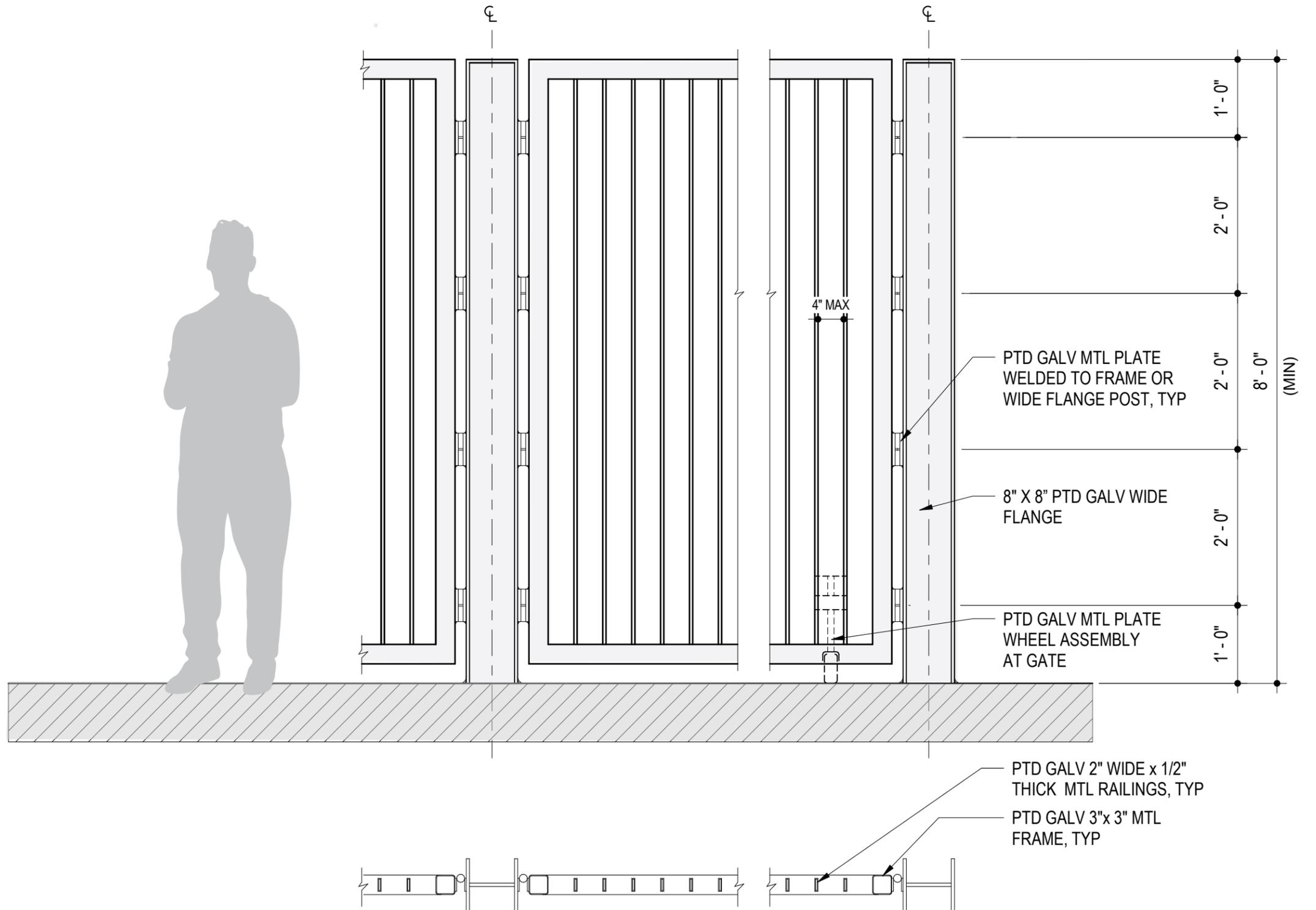
IMAGES OF EXPLORATORIUM GUARDRAIL



FENCE AND GATE DETAIL



IMAGE OF PIER TERMINAL 27
FENCE/GATE



SITE PLAN

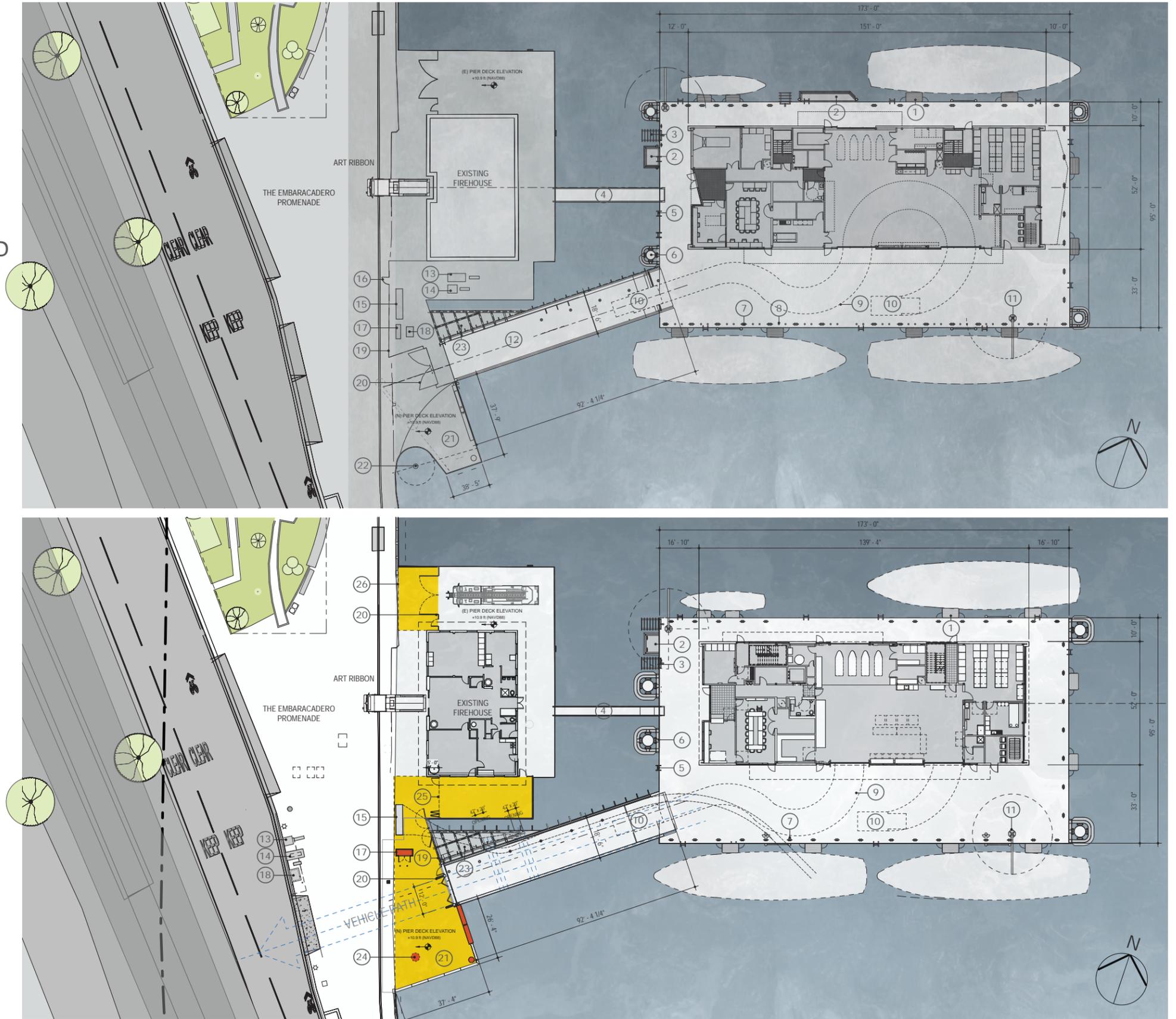
KEY NOTES

1. FENDER
2. LOWER PLATFORM FOR JET SKI ACCESS
3. JET SKI LIFT
4. ALUMINUM GANGWAY
5. ACCESS LADDER
6. 48" DIAMETER PILE
7. CLEAT
8. LED EDGE LIGHT
9. PATH OF AMBULANCE BASED ON AUTO-TURN ANALYSIS
10. AMBULANCE
11. CRANE
12. ACCESS RAMP
13. POTABLE WATER METER
14. FIRE WATER METER
15. (E) AWSS MANIFOLD TO REMAIN
16. GATE
17. ELECTRICAL SERVICE SWITCHBOARD
18. GAS METER MOUNTED ON CONCRETE PAD
19. (N) FENCE
20. EMERGENCY VEHICLE ACCESS GATE
21. OVERLOOK
22. SEA LEVEL EXHIBIT MARKER
23. FIRE HOSE GRATED PLATFORM
24. FUTURE PUBLIC ART
25. PUBLIC ACCESS GATE
26. (E) FENCE (TO BE REMOVED)

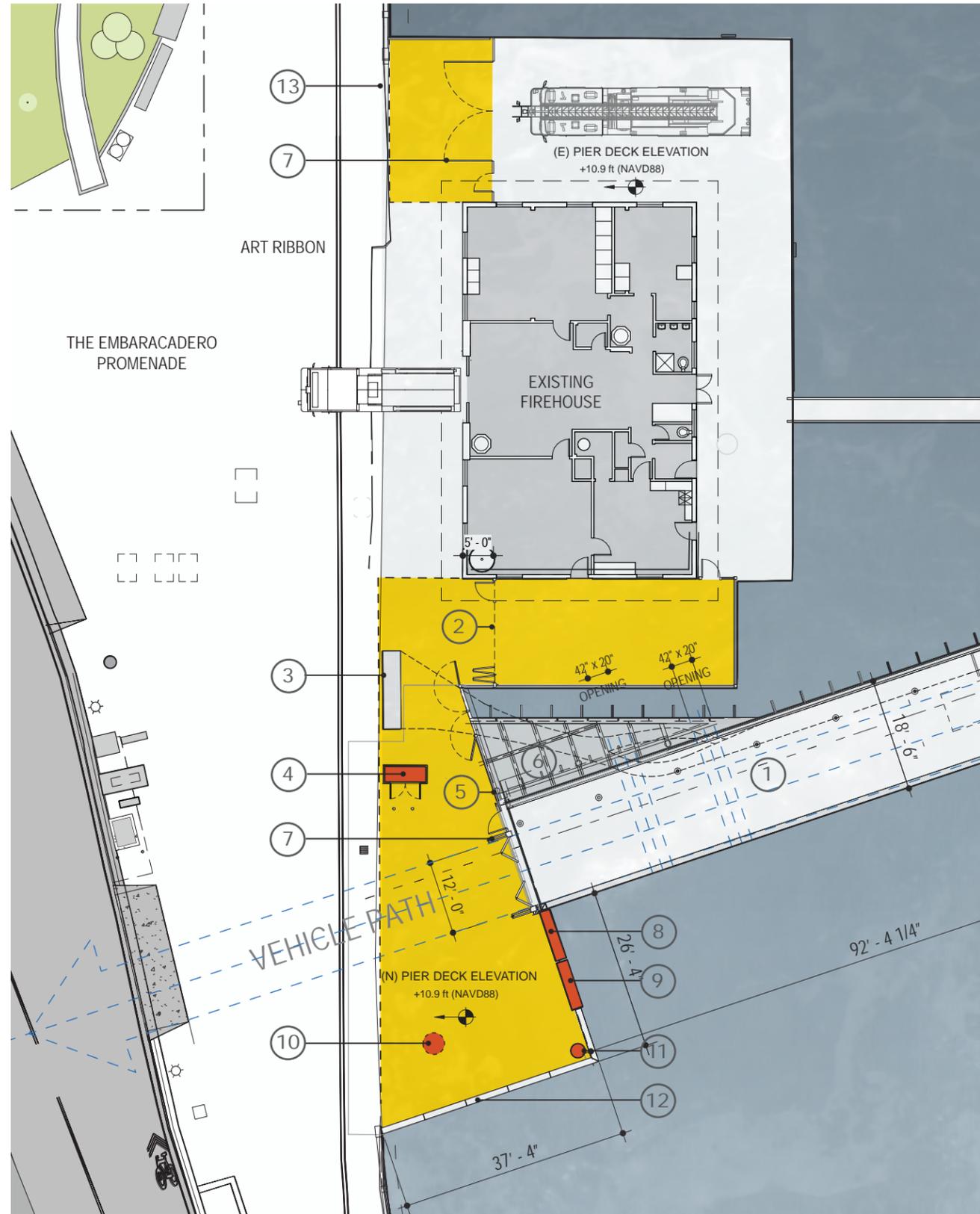
(PRESENTATION DATED 2/26/18)

(AS PROPOSED)

- NEW AREA OF PUBLIC ACCESS
- PUBLIC ART/EDUCATION EXHIBITS
- BCDC 100' SHORLINE BAND



ENLARGED PLAN OF PUBLIC ACCESS DESIGN



KEY NOTES

1. ACCESS RAMP
2. PUBLIC ACCESS GATE
3. (E) AWSS MANIFOLD TO REMAIN
4. ELECTRICAL SERVICE SWITCHBOARD WITH PUBLIC ACCESS INFORMATION BOARD
5. FENCE
6. FIRE HOSE GRATED PLATFORM
7. EMERGENCY VEHICLE ACCESS GATE
8. HISTORIC FIRESTATION/MARITIME INFO PANEL
9. LOMA PRIETA EARTHQUAKE/FIRE RESPONSE INFO PANEL
10. FUTURE PUBLIC ART (TO BE DETERMINED)
11. VIEWING SCOPE
12. RAILING
13. (E) FENCE (TO BE REMOVED)

NEW AREA OF PUBLIC ACCESS



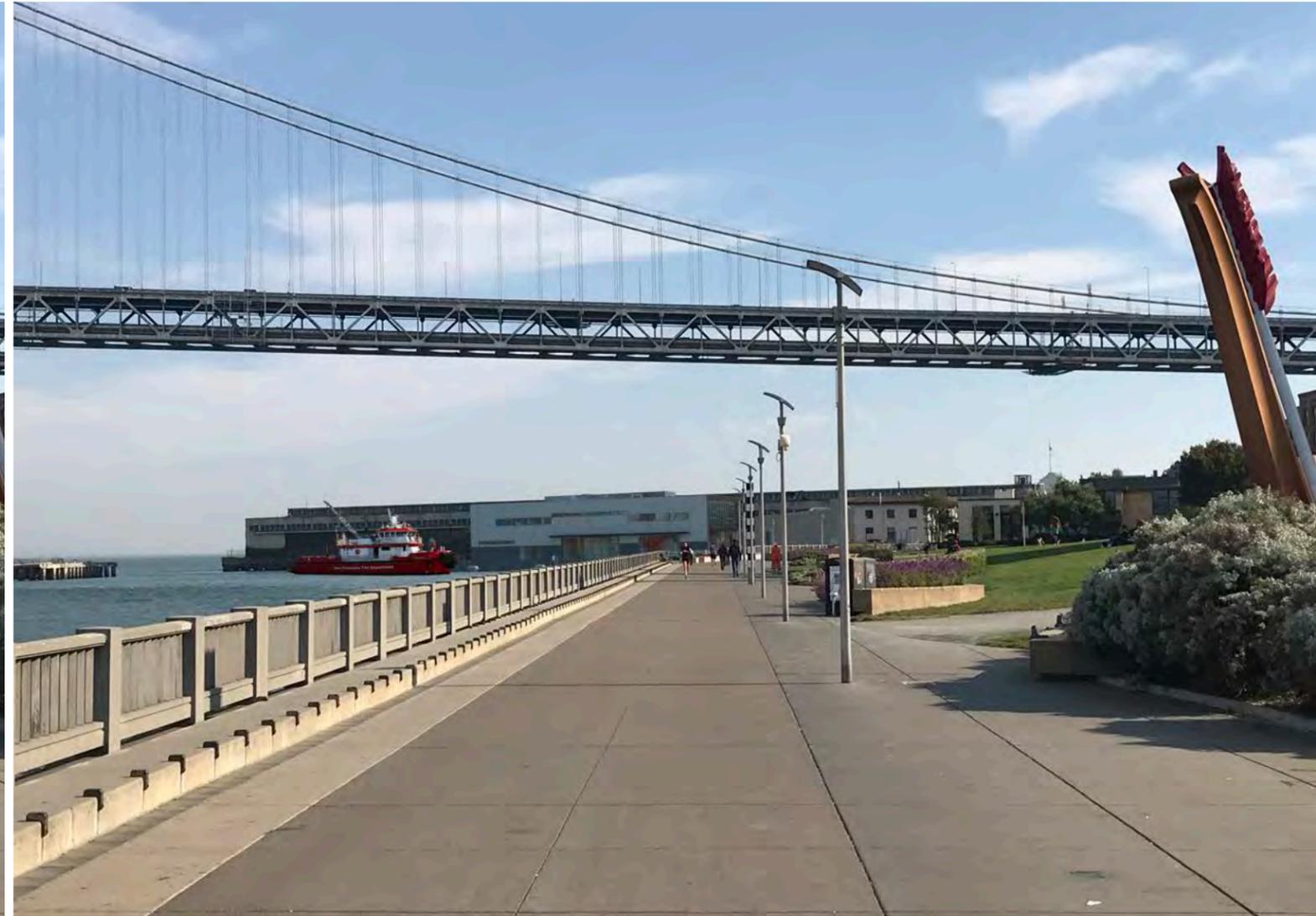
PUBLIC ART/EDUCATION EXHIBITS



PHOTOMONTAGE



EMBARCADERO PROMENADE LOOKING SOUTH (EXISTING)



EMBARCADERO PROMENADE LOOKING SOUTH (AS PROPOSED)

PHOTOMONTAGE



HARRISON STREET CORRIDOR LOOKING EAST (EXISTING)



HARRISON STREET CORRIDOR LOOKING EAST (AS PROPOSED)

PHOTOMONTAGE



RINCON PARK LOOKING SOUTH (EXISTING)



RINCON PARK LOOKING SOUTH (AS PROPOSED)

SEA LEVEL RISE



EXISTING FIRE HOUSE WITH FLOATING FIRE HOUSE

LEGEND

- ① **+16.6' NAVD88**
PROJECTED DESIGN 2100 TWL (80 YRS)
9.8' BFE + 2.3' WAVE RUNUP & SETUP = 4.5' SLR
- ② **+14.9' NAVD88**
PROJECTED DESIGN 2070 TWL (50 YRS)
9.8' BFE + 2.3' WAVE RUNUP & SETUP + 2.8' SLR
- ③ **+12.1' NAVD88 CURRENT DESIGN TWL**
9.8' BFE + 2.3' WAVE RUNUP & SETUP
- ④ **+9.17' NAVD88 PROJECTED 2070 MHHW (50 YRS)**
6.37' DESIGN MHHW + 2.8' SLR

EXISTING:

DESIGN MHHW = +6.37' NAVD88
DESIGN BFE (100 YR SWL) = +9.8' NAVD88

2070 (50 YR PROJECTED LIFE):

DESIGN SLR = 2.8 ft = 33.6 in.
DESIGN MHHW + SLR = +9.17' NAVD88
DESIGN BFE + SLR = +12.6' NAVD88

2100 (80 YR PROJECTED LIFE):

DESIGN SLR = 4.5' = 54"
DESIGN MHHW + SLR = 10.9' NAVD88
DESIGN BFE + SLR = 14.3' NAVD88

MHHW = MEAN HIGHER HIGH WATER
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988
SLR = SEA LEVEL RISE
SWL = STILL WATER LEVEL
BFE = BASE FLOOD ELEVATION (100 YEAR SWL)
TWL = TOTAL WATER LEVEL = 100 YEAR SWL + WAVE SETUP & RUNUP

NOTES:

1. CURRENT TIDAL DATA BASED ON NOAA TIDAL STATION ID 9414750.
2. TIDAL DATA ABOVE DOES NOT INCLUDE CONSIDERATION FOR EI NINO EVENTS, STORM SURGE, STORM WAVES, AND WAVE RUN-UP WHICH ALL AFFECT THE LOCAL WATER LEVEL IN ADDITION TO SEA LEVEL RISE.